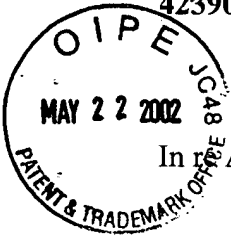


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6/4/02  
JHO

42390.P7511

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Application of:

Ali Keshavarzi et al.

Application No.: 09/469,406

Filed: December 22, 1999

For: DECOUPLING CAPACITORS FOR THIN  
GATE OXIDES

Examiner: Donghee Kang

Art Unit: 2811

EL414998066US

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TC 2800 MAIL ROOM

Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

This is in response to the final Office action dated February 22, 2002. Reconsideration of the application is requested.

ENTIRE SET OF PENDING CLAIMS (Clean version)

29. A die, comprising:  
a first conductor carrying a power supply voltage;  
a second conductor carrying a ground voltage; and  
a semiconductor decoupling capacitor to provide decoupling capacitance between the first and second conductors, the semiconductor decoupling capacitor including:

- (a) a gate electrode coupled to the first conductor to receive the power supply voltage,
- (b) a diffusion coupled to the second conductor to receive the ground voltage, and
- (c) a body to receive the ground voltage through the diffusion, the semiconductor decoupling capacitor thereby being in depletion mode.

30. The die of claim 29, wherein gate electrode is p-type and the diffusion and the

05-28-02

CPA 2800

PTO/SB/29 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**CONTINUED PROSECUTION APPLICATION (CPA)  
REQUEST TRANSMITTAL**

CHECK BOX, if applicable:

☐ **DUPLICATE**

Submit an original, and a duplicate for fee processing.

(Only for Continuation or Divisional applications under 37 CFR 1.53(d))

MAY 22 2002

Address to:

Assistant Commissioner for Patents  
Box CPA  
Washington, DC 20231Attorney Docket No.  
of Prior Application

42390P7511

First Named Inventor

Ali Keshavarzi

Examiner Name

Kang, D.

Group/Art Unit

2811

Express Mail Label No.

EL414998066US

This is request for a ☒ continuation or ☐ divisional application under 37 CFR 1.53(d),  
(continued prosecution application (CPA)) of prior application number 09/469,406,  
filed on December 22, 1999, entitled DECOUPLING CAPACITORS FOR THIN GATE OXIDES.

**NOTES**

**FILING QUALIFICATIONS:** The prior application identified above must be a nonprovisional application that is either: (1) complete as defined by 37 CFR 1.51(b), or (2) the national stage of an international application in compliance with 35 U.S.C. 371. Effective May 29, 2000, a CPA may only be filed in a utility or plant application if the prior nonprovisional application was filed before May 29, 2000. A CPA may be filed in a design application regardless of the filing date of the prior application. See "Request for Continued Examination Practice changes to and Provisional Application Practice," Final Rule, 65 Fed. Reg. 50092 (Aug. 16, 2000); Interim Rule, 65 Fed. Reg. 14865 (Mar. 20, 2000), 1233 Off. Gaz. Pat. Office (Apr. 11, 2000).

**C-I-P NOT PERMITTED:** A continuation-in-part application cannot be filed as a CPA under 37 CFR § 1.53(d), but must be filed under 37 CFR 1.53(b).

**EXPRESS ABANDONMENT OF PRIOR APPLICATION:** The filing of this CPA is a request to expressly abandon the prior application as of the filing date of the request for a CPA. 37 CFR 1.53(b) must be used to file a continuation, divisional, or continuation-in-part of an application that is not to be abandoned.

**ACCESS TO PRIOR APPLICATION:** The filing of this CPA will be construed to include a waiver of confidentiality by the applicant under 35 U.S.C. 122 to the extent that any member of the public who is entitled under the provisions of 37 CFR 1.14 to access to, copies of, or information concerning, the prior application may be given similar access to, copies of, or similar information concerning, the other application or applications in the file jacket.

**35 U.S.C. 120 STATEMENT:** In a CPA, no reference to the prior application is needed in the first sentence of the specification and none should be submitted. If a sentence referencing the prior application is submitted, it will not be entered. A request for a CPA is the specific reference required by 35 U.S.C. 120 and to every application assigned the application number identified in such request, 37 CFR § 1.78(a).

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

1. ☐ Enter the unentered amendment previously filed on \_\_\_\_\_ under 37 CFR § 1.116 in the prior nonprovisional application.
2. ☒ A preliminary amendment is enclosed.
3. This application is filed by fewer than all the inventors named in the prior application, 37 CFR 1.53 (b)(4).
  - a. ☐ **DELETE** the following inventor(s) named in the prior nonprovisional application:  
\_\_\_\_\_
  - b. ☐ The inventor(s) to be deleted are set forth on a separate sheet attached hereto.
4. ☐ A new power of attorney or authorization of agent (PTO/SB/81) is enclosed.
5. Information Disclosure Statement (IDS) is enclosed:
  - a. ☐ PTO-1449
  - b. ☐ Copies of IDS Citations

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[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box CPA, Washington, DC 20231.

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CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS <small>(37 CFR 1.16(c) or (j))</small>		22 -20* =	2	x \$ 18.00 =	\$ 36.00
INDEPENDENT CLAIMS <small>(37 CFR 1.16(b) or (i))</small>		2 -3** =		x \$ 84.00 =	
MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d))				+\$ _____ =	
				BASIC FEE <small>(37 CFR 1.16)</small>	740.00
				Total of above Calculations =	\$740.00
Reduction by 50% for filing by small entity (Note 37 CFR 1.27).					
* Reissue claims in excess of 20 and over original patent. ** Reissue independent claims over original patent.				TOTAL =	\$740.00

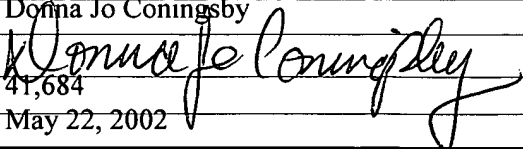
6. ☐ Small entity status: Applicant claims small entity status. See 37 CFR 1.27.
7. The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. \_\_\_\_\_ - 02 2666 :
- a. ☐ Fees required under 37 CFR 1.16.  
b. ☐ Fees required under 37 CFR 1.17.  
c. ☐ Fees required under 37 CFR 1.18.
8. ☒ A check in the amount of \$740.00 is enclosed.
9. ☐ Payment by credit card. Form PTO-2038 is attached.
10. ☐ Applicant requests suspension of action under 37 CFR 1.103(b) for a period of \_\_\_\_\_ months (not to exceed 3 months) and the fee under 37 CFR 1.17(i) enclosed.
11. ☐ New Attorney Docket Number, if desired \_\_\_\_\_  
[Prior application Attorney Docket Number will carryover to this CPA unless a new Attorney Docket Number has been provided herein.]
12. a. ☐ Receipt for Facsimile Transmitted CPA (PTO/SB/29A)  
b. ☐ Return Receipt Postcard (Should be specifically itemized, See MPEP 503)
13. ☐ Other: \_\_\_\_\_

**NOTE:** The prior application's correspondence address will carry over to this CPA UNLESS a new correspondence address is provided below.

**10. NEW CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number of Bar Code Label	 *08791*	or <input type="checkbox"/> Correspondence address																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name</td> <td colspan="3"></td> </tr> <tr> <td>Address</td> <td colspan="3"></td> </tr> <tr> <td>City</td> <td style="width: 20%;">State</td> <td style="width: 20%;">Zip Code</td> <td></td> </tr> <tr> <td>Country</td> <td>Telephone</td> <td>Fax</td> <td></td> </tr> </table>			Name				Address				City	State	Zip Code		Country	Telephone	Fax	
Name																		
Address																		
City	State	Zip Code																
Country	Telephone	Fax																

**15. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

NAME (Print/Type)	Donna Jo Coningsby
SIGNATURE	
Registration No. (Attorney/Agent)	41,684
DATE	May 22, 2002